

Title (en)

AMOLED ARRAY SUBSTRATE AND MANUFACTURING METHOD AND DISPLAY DEVICE

Title (de)

AMOLED-ARRAYSUBSTRAT UND HERSTELLUNGSVERFAHREN UND ANZEIGEVORRICHTUNG

Title (fr)

SUBSTRAT DE RÉSEAU DE MATRICE ACTIVE À DIODES ÉLECTROLUMINESCENTES ORGANIQUES, PROCÉDÉ DE FABRICATION, ET DISPOSITIF D'AFFICHAGE

Publication

EP 3139410 A4 20180228 (EN)

Application

EP 14863076 A 20140828

Priority

- CN 201410183223 A 20140430
- CN 2014085411 W 20140828

Abstract (en)

[origin: US2016268361A1] The present disclosure provides an active matrix organic light-emitting diode array substrate comprising: a substrate; a plurality of pixel units located on the substrate and arranged in an array, each of the plurality of pixel units comprising a thin film transistor, an organic light-emitting diode and a bottom plate of a storage capacitor; a pixel definition layer spacing apart two adjacent pixel units from each other; and a top plate of the storage capacitor provided on the pixel definition layer, the top plate of the storage capacitor being spaced apart from the bottom plate of the storage capacitor by the pixel definition layer. The bottom plate is arranged above a gate electrode of the thin film transistor and electrically connected to the gate electrode of the thin film transistor.

IPC 8 full level

H01L 27/32 (2006.01)

CPC (source: EP US)

H10K 59/1216 (2023.02 - EP US); **H10K 59/122** (2023.02 - EP US); **H10K 59/131** (2023.02 - US); **H10K 59/1201** (2023.02 - US); **H10K 59/1213** (2023.02 - US)

Citation (search report)

- [I] CN 202905716 U 20130424 - SICHUAN CCO DISPLAY TECH CO
- [I] US 2009102759 A1 20090423 - KAWABE KAZUYOSHI [JP]
- See references of WO 2015165184A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2016268361 A1 20160915; **US 9691834 B2 20170627**; CN 103985736 A 20140813; EP 3139410 A1 20170308; EP 3139410 A4 20180228; EP 3139410 B1 20201223; WO 2015165184 A1 20151105

DOCDB simple family (application)

US 201414648191 A 20140828; CN 2014085411 W 20140828; CN 201410183223 A 20140430; EP 14863076 A 20140828